



IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Attorney Docket No.: **Poly-50/APP**

Applicants: **Stephen ARNOLD et al.**

Serial No.: **10/768,977**

Filing Date: **January 30, 2004**

Title: **DNA OR RNA DETECTION AND/OR QUANTIFICATION USING
SPECTROSCOPIC SHIFTS OF TWO OR MORE OPTICAL CAVITIES**

Examiner: **Not yet assigned**

Group Art Unit: **1632**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R:

Information Disclosure Statement Transmittal

The applicants respectfully request that the references listed on the attached PTO/SB/08A be considered in the examination of the above-identified application. A copy of each of these references, except for U.S. patents and patent application publications is enclosed. (See the notice, "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications Filed After June 30, 2003," Pre-OG Notices (July 11, 2003).)

The applicants reserve the right to establish that any of the references listed on the attached PTO/SB/08A are not prior art to the above-captioned application.

Since a first Office Action on the merits has not yet been received, the applicants assume that this Information Disclosure Statement should be considered under 37 C.F.R.

§§ 1.97(b)(3). Accordingly, it is believed that no fee is due.

If, however, an Office Action on the merits has been mailed before the filing date of this Information Disclosure Statement, the Office is authorized to charge any fee required to have the Information Disclosure Statement considered to the deposit account of Straub & Pokotylo, deposit account number 50-1049.

Respectfully submitted,

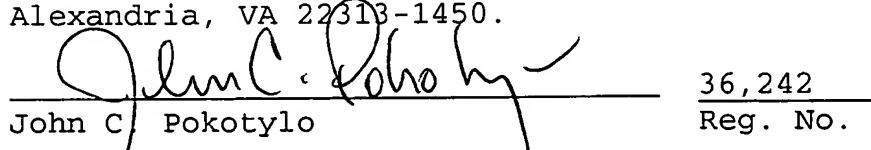
Dated: April 7, 2005


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CERTIFICATE OF MAILING under 37 C.F.R. 1.8(a)

I hereby certify that this correspondence is being deposited on April 7, 2005 with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

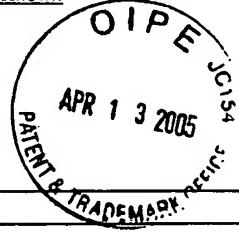

John C. Pokotylo 36,242
Reg. No.

U.S. Department of Commerce
Patent and Trademark Office

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

Application Number: 10/768,977
Filing Date: January 30, 2004
First Named Inventor: Stephen ARNOLD
Group Art Unit: 1632
Examiner Name: Not yet assigned

Complete if Known



Sheet 1 of 2

Attorney Docket No.: Poly-50/APP

U.S. PATENT DOCUMENTS

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16, if possible. 6 Applicant is to place a check mark here if English language translation is attached.

U.S. Department of Commerce Patent and Trademark Office				<i>Complete if Known</i>
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number: 10/768,977 Filing Date: January 30, 2004 First Named Inventor: Stephen ARNOLD Group Art Unit: 1632 Examiner Name: Not yet assigned
Sheet	2	of	2	Attorney Docket No.: Poly-50/APP

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, country, where published, source			T ²
	BA	A. Serpengüzel, S. Arnold and G. Griffel, "Excitation of resonances of microspheres on an optical fiber," <u>OPTICS LETTERS</u> , Vol. 20, No. 7, pp. 654-656, (April 1995).			
	BB	S. Arnold, "Microspheres, Photonic Atoms and the Physics of Nothing," <u>American Scientist</u> , Volume 89, pp. 414-421 (September-October 2001).			
	BC	Vollmer, Frank; Arnold, Stephen; Braun, Dieter; Teraoka, Iwao; "Multiplexed DNA Quantification by Spectroscopic Shift of Two Microsphere Cavities," <u>Biophysical Journal</u> , Volume 85, September 2003 (1974-1979).			
	BD	Cai, Ming; Hunziker, Guido; Vahala, Kerry; "Fiber-Optic Ad-Drop Device Based on a Silica Microsphere-Whispering Gallery Mode System," <u>IEEE Photonics Technology Letters</u> , Volume 11, No. 6, (June, 1999)			

Examiner Signature		Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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